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A Radio Survey of the Evolution of Spatial Structure of an Active Region and Flare Productivity. *M. R. Kundu, S. M. White, K. Shibasaki, & J.-P. Raulin.* 133, 467 (2001)

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A Radio Survey of the Evolution of Spatial Structure of an Active Region and Flare Productivity. *M. R. Kundu, S. M. White, K. Shibasaki, & J.-P. Raulin.* 133, 467 (2001)

#### SUN: RADIO RADIATION

A Radio Survey of the Evolution of Spatial Structure of an Active Region and Flare Productivity. *M. R. Kundu, S. M. White, K. Shibasaki, & J.-P. Raulin.* 133, 467 (2001)

#### TURBULENCE

Anisotropic Interstellar Scattering toward the Cygnus Region. *K. M. Desai & A. L. Fey.* 133, 395 (2001)

#### ULTRAVIOLET: GENERAL

Photoionization and High-Density Gas. *T. Kallman & M. Bautista.* 133, 221 (2001)

#### X-RAYS: BURSTS

Helium Detonations on Neutron Stars. *M. Zingale, F. X. Timmes, B. Fryxell, D. Q. Lamb, K. Olson, A. C. Calder, L. J. Dursi, P. Ricker, R. Rosner, P. MacNeice, & H. M. Tufo.* 133, 195 (2001)

#### X-RAYS: GALAXIES

The ASCA Medium Sensitivity Survey (the GIS Catalog Project): Source Catalog. *Y. Ueda, Y. Ishisaki, T. Takahashi, K. Makishima, & T. Ohashi.* 133, 1 (2001)

The Seyfert-Starburst Connection in X-Rays. I. The Data. *N. A. Levenson, K. A. Weaver, & T. M. Heckman.* 133, 269 (2001)

#### X-RAYS: GENERAL

The ASCA Medium Sensitivity Survey (the GIS Catalog Project): Source Catalog. *Y. Ueda, Y. Ishisaki, T. Takahashi, K. Makishima, & T. Ohashi.* 133, 1 (2001)

Photoionization and High-Density Gas. *T. Kallman & M. Bautista.* 133, 221 (2001)

Electron-Ion Recombination Rate Coefficients and Photoionization Cross Sections for Astrophysically Abundant Elements. V. Relativistic Calculations for Fe xxiv and Fe xxv for X-Ray Modeling. *Sultana N. Nahar, Anil K. Pradhan, & Hong Lin Zhang.* 133, 255 (2001)

#### X-RAYS: STARS

Broadband X-Ray Spectra of the Persistent Black Hole Candidates LMC X-1 and LMC X-3. *F. Haardt, M. R. Galli, A. Treves, L. Chiappetti, D. Dal Fiume, A. Corongiu, T. Belloni, F. Frontera, E. Kuulkers, & L. Stella.* 133, 187 (2001)

The ASCA Catalog of Potential X-Ray Counterparts of GeV Sources. *Mallory S. E. Roberts, Roger W. Romani, & Nobuyuki Kawai.* 133, 451 (2001)



